SCAG®
POWER EQUIPMENT

MODEL GC-STC-CS

THIS MANUAL CONTAINS THE OPERATING INSTRUCTIONS AND SAFETY INFORMATION FOR YOUR SCAG ACCESSORY. READING THIS MANUAL WILL PROVIDE YOU WITH MAINTENANCE AND ADJUSTMENT PROCEDURES TO KEEP YOUR ACCESSORY PERFORMING TO MAXIMUM EFFICIENCY. THE SPECIFIC MODELS THAT THIS BOOK COVERS ARE CONTAINED ON THE INSIDE COVER. BEFORE OPERATING YOUR MACHINE, PLEASE READ ALL THE INFORMATION ENCLOSED.

OPERATOR'S MANUAL

PART NUMBER 03139

WARNING

FAILURE TO FOLLOW SAFE OPERATING PRACTICES MAY RESULT IN SERIOUS INJURY.

* Keep all safety shields in place.
* Before performing any maintenance or service, stop the machine and remove the spark plug wire.
* If a mechanism becomes clogged, stop the engine and wait for all moving parts to come to a complete halt before cleaning.
* Keep hands, feet and clothing away from power-driven parts.
* Read this manual completely as well as the Operator's Manual that came with your mower.
* Keep others off the tractor (only one person at a time).

REMEMBER - YOUR MOWER IS ONLY AS SAFE AS THE OPERATOR!

Hazard control and accident prevention are dependent upon the awareness, concern, prudence, and proper training of the personnel involved in the operation, transport, maintenance, and storage of the equipment.

This manual covers the operating instructions
and illustrated parts list for:

GC-STC-CS with a serial number of 9540001 to 9549999

1.1 INTRODUCTION

This manual has been prepared to provide the information you need to correctly assemble, operate, and maintain this grass catcher. Read it carefully and keep it for future reference.

The replacement of any part on this product by other than the manufacturer's authorized replacement part may adversely affect the performance, durability or safety of this product.

USE OF OTHER THAN ORIGINAL SCAG REPLACEMENT PARTS WILL VOID THE WARRANTY.

If additional information or service is needed that is not outlined in this manual, please contact your Scag Power Equipment dealer. Scag dealers are trained in the latest service methods and carry a full line of Scag replacement parts.

When ordering parts, always provide the complete model number of your catcher.

All information provided in this manual is based upon information available at the time of printing. Scag Power Equipment reserves the right to make changes at any time without notice or obligation.

1.2 DIRECTION REFERENCE

The "Right" and "Left", "Front" and "Rear" of the machine are referenced from the normal operating position.

2.1 SAFETY AND OPERATING INSTRUCTIONS

-NOTE-

To avoid personal injury, it is imperative that all safety instructions be observed.

1. **Read this operator's manual and the operator's manual that is supplied with the machine this attachment is used on.**

A replacement manual is available from your authorized Scag Service Dealer or by contacting: Scag Power Equipment, Service Department at P.O. Box 152, Mayville, WI 53050. You may also contact us through our website at www.scag.com. Please indicate the complete model and number of your Scag product when ordering a replacement manual.

⚠WARNING

DO NOT OPERATE WITHOUT DISCHARGE CHUTE, MULCHING KIT, OR ENTIRE GRASS CATCHER INSTALLED

2. Before removing material from hopper, disengage the mower and wait for all movement to stop.

3. **ALWAYS** turn the engine **OFF**, remove the key and wait for all movement to stop before servicing or cleaning the mower or the grass catcher.

4. Do not modify or alter any component of the grass catcher attachment or mower.

5. Do not allow any passengers to ride on the grass catcher attachment or on the mower.

2.2 GRASS CATCHING OPERATION

1. With the hopper door closed, engage the deck drive.

2. Proceed to mow until the hopper is full.

3. When dumping the hopper into a disposal area:

⚠WARNING

DO NOT DUMP CLIPPINGS IN A DISPOSAL AREA THAT IS BURNING

A. Disengage the deck drive, apply the parking brake and allow all moving parts to come to a complete stop.

B. Pull downward on the hopper door handle to allow the hopper sweeper to remove the material from inside the hopper. See Figure 2-1.

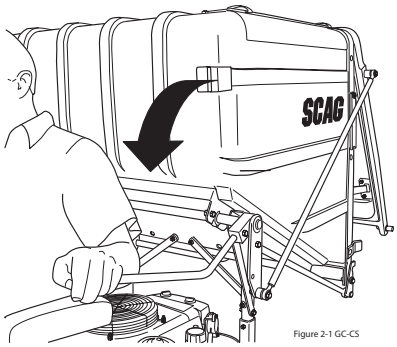


FIGURE 2-1

C. Once the material has been completely removed from the hopper, lift the hopper door handle to close the hopper door and lock into place. See Figure 2-2.

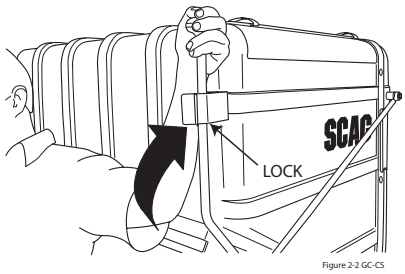


FIGURE 2-2

4. When dumping the hopper into a disposal area, inspect the hopper debris screen for material. When the debris screen is full of material, the grass catching ability may suffer. Frequency of cleaning the hopper debris screen will vary depending on conditions.

5. To clean the hopper debris screen;

A. Disengage the deck drive and allow all moving parts to come to a complete stop.

B. Apply parking brake and shut off the engine.

C. Stand on the left side of the hopper assembly.

D. Unhook the debris screen latches and remove the debris screen from the hopper. See Figure 2-3.

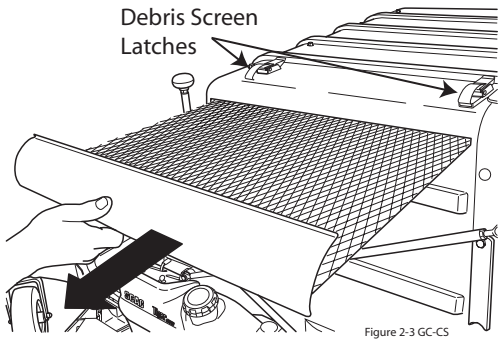


FIGURE 2-3

E. Remove material from the debris screen and reinstall. Secure by latching the debris screen latches.

6. When service is needed inside the hopper, disengage the deck drive and allow all moving parts to come to a complete stop, shut off the engine and apply the parking brake. Rotate the hopper door prop rod upward until it contacts the hopper door. This will prevent the hopper door from moving until the service is complete. See Figure 2-4.

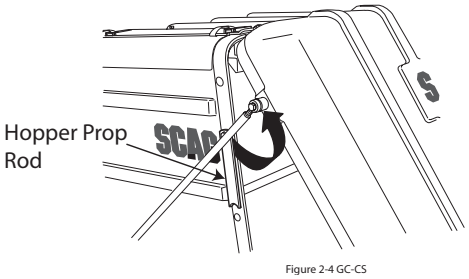


FIGURE 2-4

3.1 ASSEMBLY INSTRUCTIONS FOR 48" AND 52" CUTTER DECK

-NOTE-

Use the illustrated parts list as a part number reference when following the assembly instructions.

1. Remove all packaging materials. Lay out the mounting hardware and the catcher assembly parts for easy access. Prepare the work area making sure that it is a clean, safe environment.

⚠WARNING

DO NOT OPERATE WITHOUT DISCHARGE CHUTE, MULCHING KIT, OR ENTIRE GRASS CATCHER INSTALLED

2. Remove the discharge chute from the cutter deck. See Figure 3-1.

-NOTE-

Do not discard the discharge chute or mounting hardware. The discharge chute MUST be reinstalled anytime the grass catcher is removed from the machine.

3. Remove the right side belt cover to gain access to the spindle assembly. Remove the front u-nut from the cutter deck bracket. See Figure 3-1.

-NOTE-

Retain the original belt cover. This cover MUST be reinstalled anytime the complete catcher system is removed.

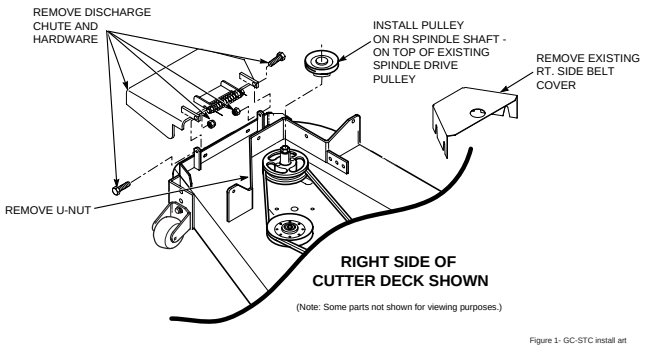

REMOVE DISCHARGE CHUTE AND HARDWARE
INSTALL PULLEY ON RH SPINDLE SHAFT - ON TOP OF EXISTING SPINDLE DRIVE PULLEY
REMOVE EXISTING RT. SIDE BELT COVER
REMOVE U-NUT
RIGHT SIDE OF CUTTER DECK SHOWN
(Note: Some parts not shown for viewing purposes.)
Figure 1- GC-STC install art

FIGURE 3-1

-NOTE-

There are two (2) pulleys supplied with this kit. Small pulley (3-3/4" O.D.) is for 48" deck. Large Pulley (4.0" O.D.) is for 52" deck.

4. Install the grass catcher pulley onto the spindle assembly. Apply loctite to both pulley setscrews and tighten. See Figure 3-1.

   When installing this grass catcher on an Advantage deck, install the front baffle to the cutter deck. See Figure 3-2. Secure using the following hardware:

   (2) 04017-05 Bolt, Hex Head 1/4-20 x 3/4"
   (2) 04019-02 Nut, Serrated Flange 1/4-20
   (2) 04003-23 Bolt, Carriage 3/8-16 x 1"
   (2) 04041-07 Flatwasher
   (2) 04021-09 Nut, Elastic Stop 3/8-16

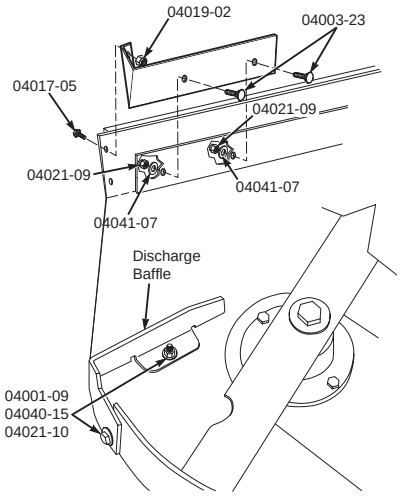


FIGURE 3-2

5. Install the blower mounting bracket to the deck using carriage bolts (p/n 04003-11), lockwashers, and nuts. Do not fully tighten the hardware at this time. See Figure 3-3, Page 4.

6. Install the catch plate (p/n 423297) to the blower assembly using carriage bolts (p/n 04003-12) facing upward. Secure with lockwashers and elastic stop nuts. Do not fully tighten the hardware at this time. See Figure 3-4, Page 4.

7. Install the blower assembly to the mounting bracket and secure with the mounting pin. See Figure 3-4, Page 4.

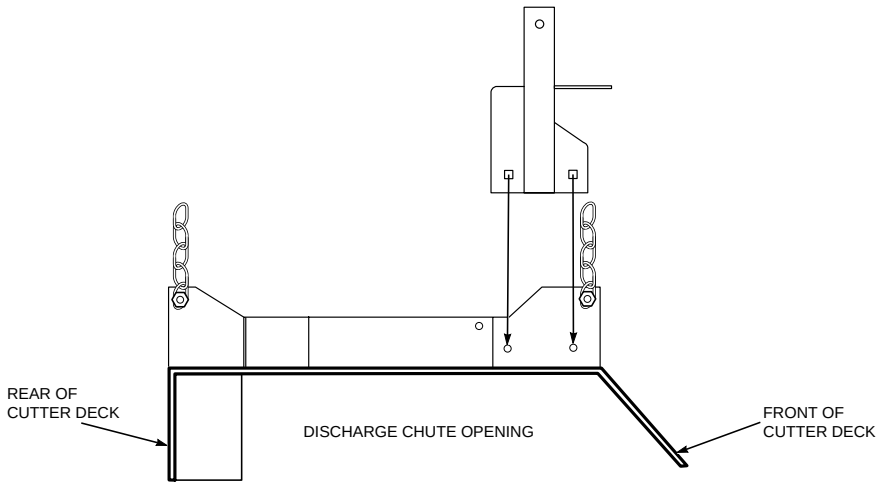


FIGURE 3-3

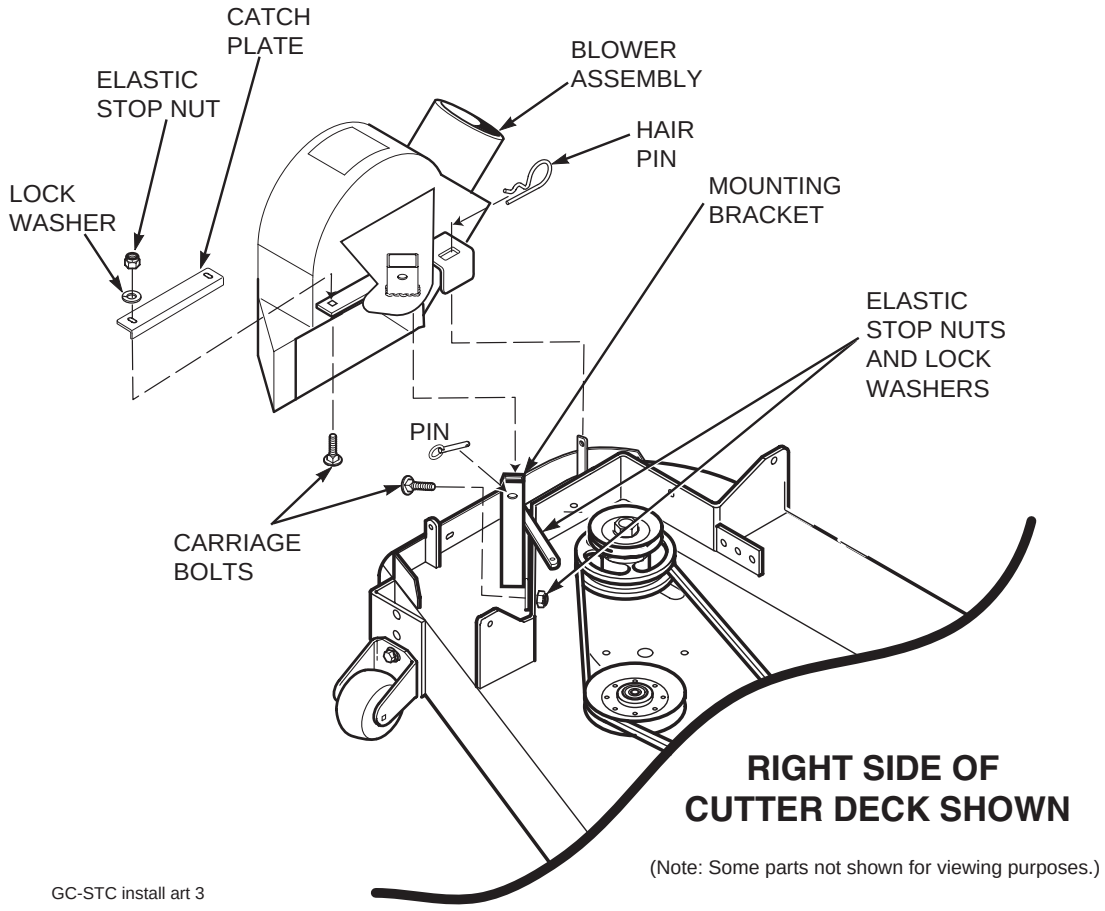
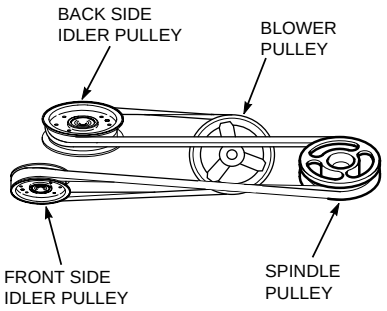


FIGURE 3-4

8. Align the blower assembly with the discharge opening of the cutter deck. Tighten the hardware for the mounting bracket. Then tighten the hardware for the catch plate.

9. Install the large hair pin through the rear hole in the discharge chute mounting bracket. See Figure 3-4, Page 4.

10. Install the belt to the spindle pulley. When replacing the belt, see figure below.



11. Install the new belt covers and secure. See items number 1 and number 21 on page 10 of the Blower Mounting Components section in the Illustrated Parts List for proper installation.

12. Install the hopper mounting brackets to the outside of the frame on the rear of the machine. See Figure 3-5.

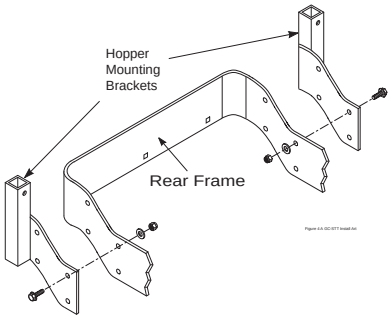


FIGURE 3-5

13. With help from an assistant, install the hopper assembly to the machine by installing the mounting post into the hopper mounting brackets and secure with the ring pins. See Figure 3-6.

-NOTE-

The hopper dump handle can be installed on either side for operator convenience. When installing this grass catcher on a machine with the Roll Over Protection System (ROPS), the curved handle will need to be installed on the right side.

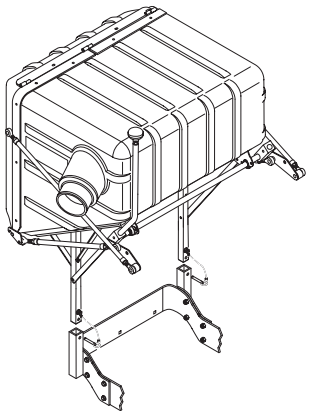


FIGURE 3-6

14. Install the hose from the blower assembly adapter to the hopper hood and secure using the 6-1/2" clamps.

15. Using the weight support bar as a guide, identify the four corresponding mounting holes, and the existing hardware that will need to be removed in order to secure the weight support bar to the front of the machine as shown. See Figure 3-7.

16. Install one 7/16-14 x 1-3/4" hex head bolt into each of the four mounting holes in the weight support bar, and through the matching holes in the caster support weldment. Secure this assembly to the front of the machine using the 7/16- .5" x 1-1/4" x .083" flatwashers, and the 7/16-14 elastic stop nuts. Torque hardware to 59 ft. lbs. See Figure 3-7.

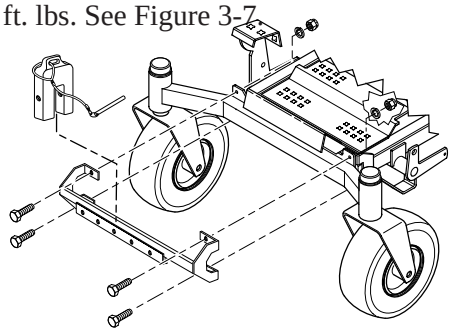


FIGURE 3-7

17. Operate and test.

4.1 GRASS CATCHER REMOVAL INSTRUCTIONS

1. Prepare the work area making sure that it is a clean, safe environment.

2. Remove the rubber strap holding the adapter to the blower assembly. See Figure 4-1.

3. Remove the pin and hair pin holding the blower assembly to the mounting bracket on the cutter deck and remove the blower assembly. See Figure 4-1.

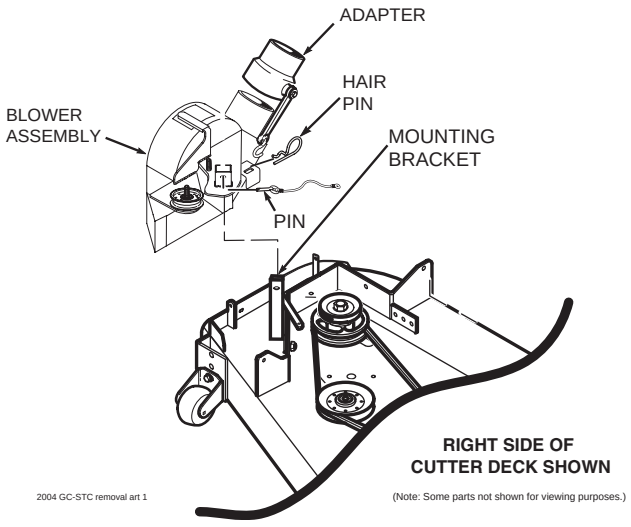


FIGURE 4-1

4. Remove the two (2) pins holding the hopper assembly to the mounting posts on the rear of the machine. See Figure 4-2.

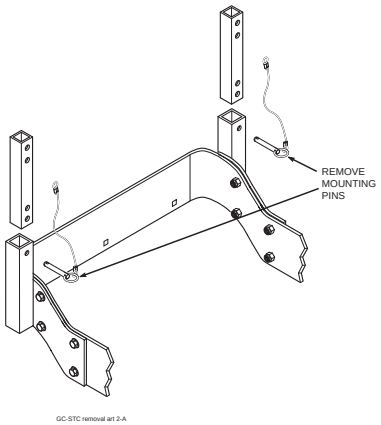


FIGURE 4-2

5. With help from an assistant, remove the hopper assembly from the mounting posts.

WARNING

DO NOT OPERATE WITHOUT DISCHARGE CHUTE, MULCHING KIT, OR ENTIRE GRASS CATCHER INSTALLED

6. Re-install the side discharge chute to the opening on the cutter deck. Replace the two outside mounting bolts on the discharge chute with the clevis pins (p/n 04064-15) and rue cotter pins (p/n 04069-03). See Figure 4-3.

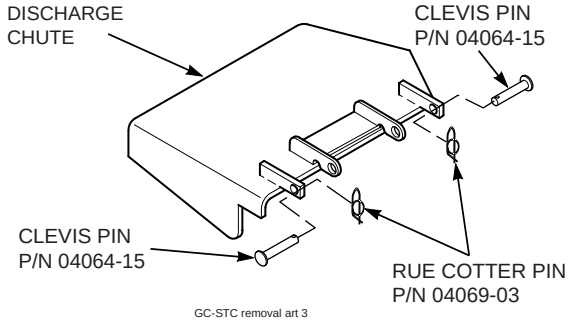
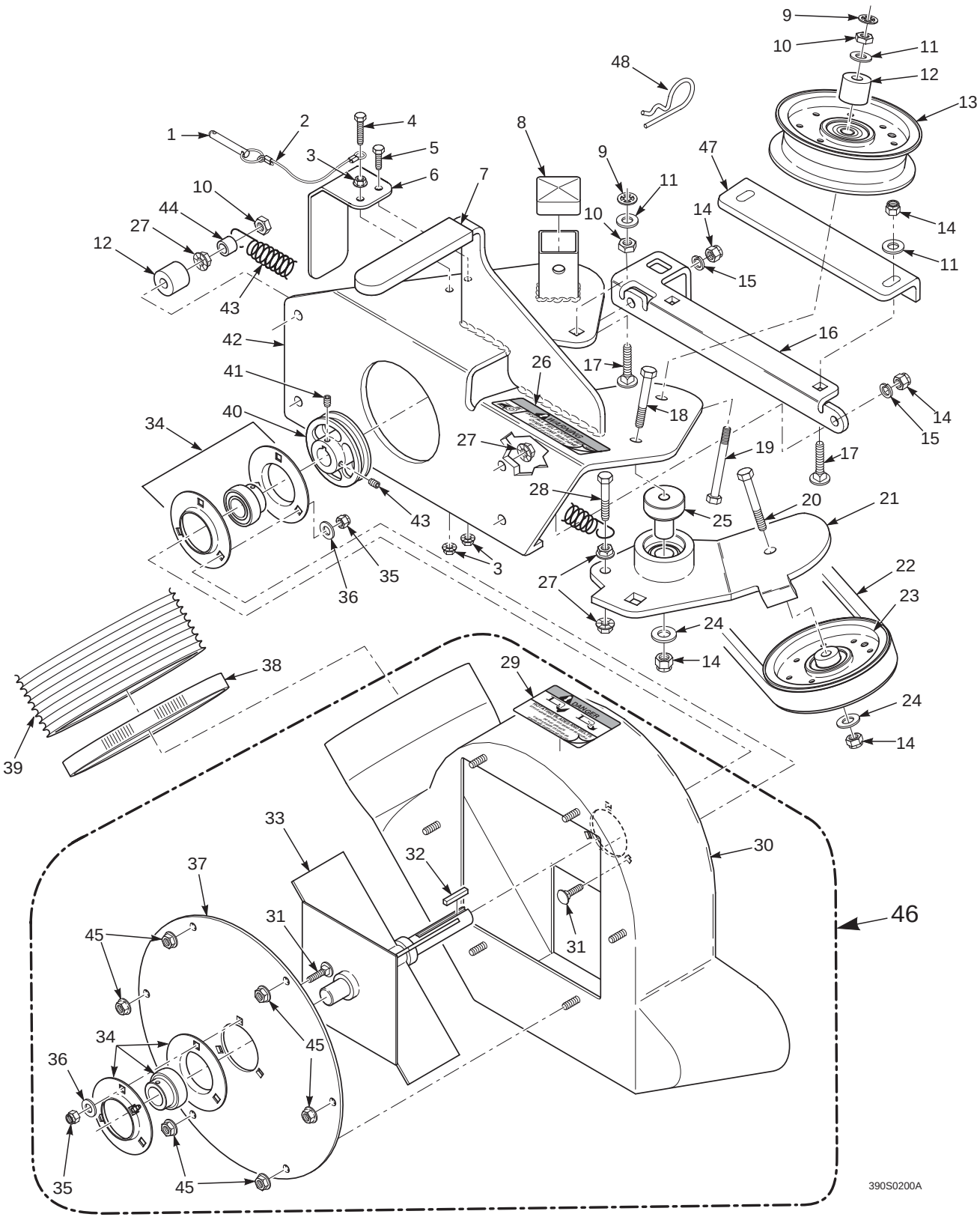


FIGURE 4-3

Notes

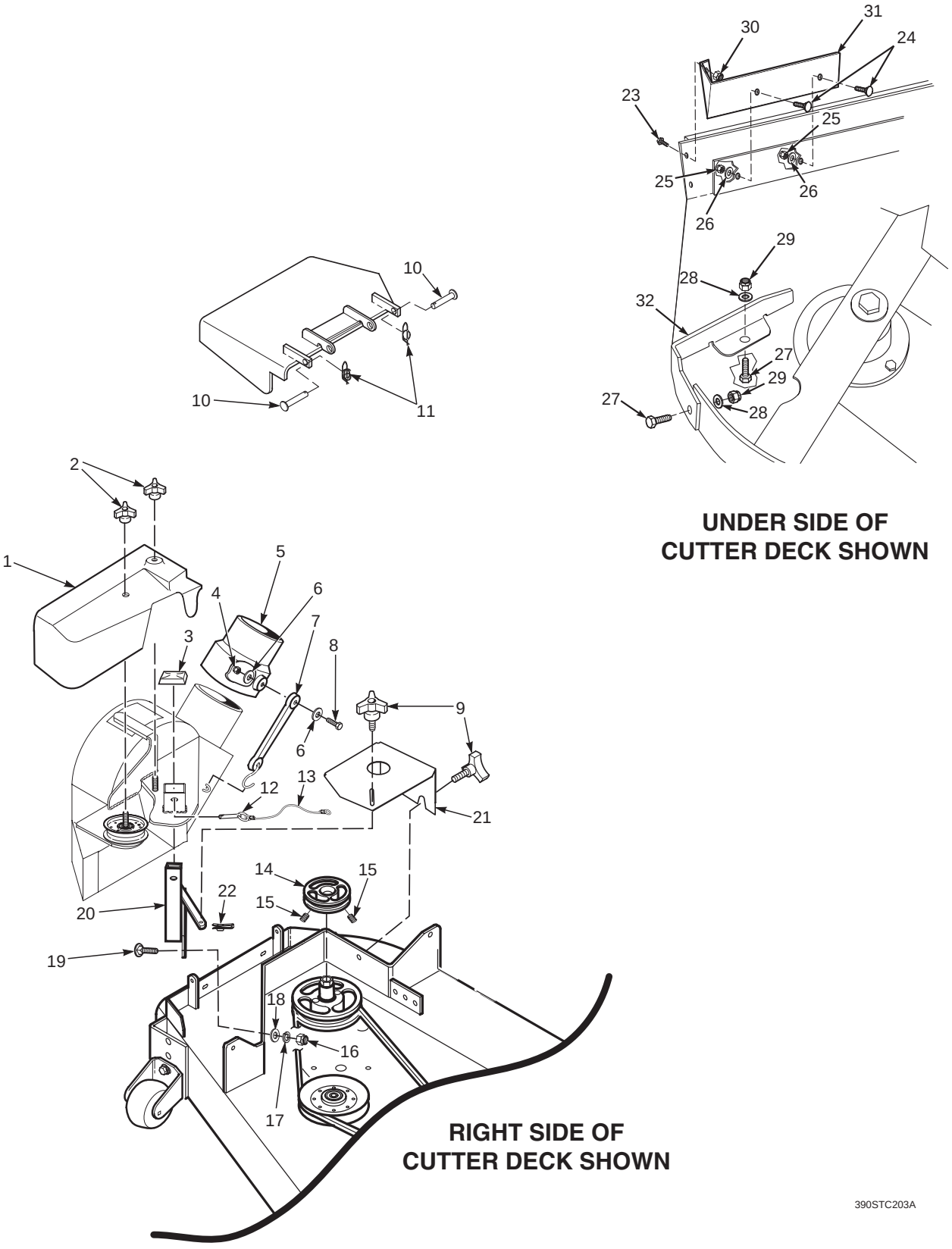
GC-STC 48" & 52" BLOWER HOUSING ASSEMBLY



GC-STC 48" & 52" BLOWER HOUSING ASSEMBLY

Ref. No.	Part Number	Description
1	04067-07	Pin, Ring 2-1/4" Long
2	481547	Lanyard, Deck Height Pin
3	04019-02	Nut, Serr. Flange 1/4-20
4	04001-59	Bolt, Hex Head 1/4-20 x 1-1/4"
5	04001-01	Bolt, Hex Head 1/4-20 x 3/4"
6	423298	Belt Cover, Rear
7	481428	Grip, Blower Lever
8	482300	Cap, Square
9	04024-02	Nut, Push On 3/8 Thread
10	04021-05	Lock Nut, 3/8-16
11	04041-07	Flatwasher, 3/8-.391 x .938 x .105
12	43277	Spacer
13	482299	Pulley, Idler 4" Dia.
14	04021-09	Nut, Elastic Stop 3/8-16
15	04030-04	Lockwasher, 3/8-16
16	423933	Plate, Catch Mounting
17	04003-05	Bolt, Carr. 3/8-16 x 1-1/2"
18	04001-46	Bolt, Hex Head 3/8-16 x 2-1/4"
19	04001-62	Bolt, Hex Head 3/8-16 x 3-1/4"
20	04001-45	Bolt, Hex Head 3/8-16 x 2"
21	461519	Idler Arm Weldment
22	482278	Belt, GC-STC
23	482079	Pulley, 3" O.D.
24	04043-04	Washer, 3/8 Hardened
25	43575	Pivot, Idler
26	481039	Decal, Belt Cover
27	04019-04	Nut, Serr. Flange 3/8-16
28	04001-136	Bolt, Hex Head 3/8-16 x 1-1/2 Gr. 8
29	482293	Decal, Danger
30	461697	Blower Housing Weldment, includes item #29
31	04003-12	Bolt, Carr. 5/16-18 x 3/4" Gr. 5
32	04063-06	Key, 1/4 x 1/4 x 1-1/2"
33	45491	Fan Weldment
34	48915	Bearing with Locking Collar
35	04021-10	Nut, Elastic Stop 5/16-18
36	04040-04	Flatwasher, 5/16-.344 x .688 x .065
37	421319	Cover, Blower Housing
38	48136-01	Clamp, 6-1/2" Max Dia.
39	48135-10	Hose, 6" Dia.
40	482298	Pulley, 4-3/4" O.D. - 1" Bore
41	04012-04	Set Screw, 5/16-18 x 3/8"
42	461682	Frame Weldment, Blower Mount
43	481522	Spring, Main Drive
44	43212	Spacer
45	04019-03	Nut, Serr. Flange 5/16-18
46	461678	Blower Housing Assembly
47	423297	Plate, Blower Catch
48	04062-05	Hair Pin Cotter, .243 x 4"

GC-STC 48" & 52" BLOWER MOUNTING COMPONENTS



UNDER SIDE OF CUTTER DECK SHOWN

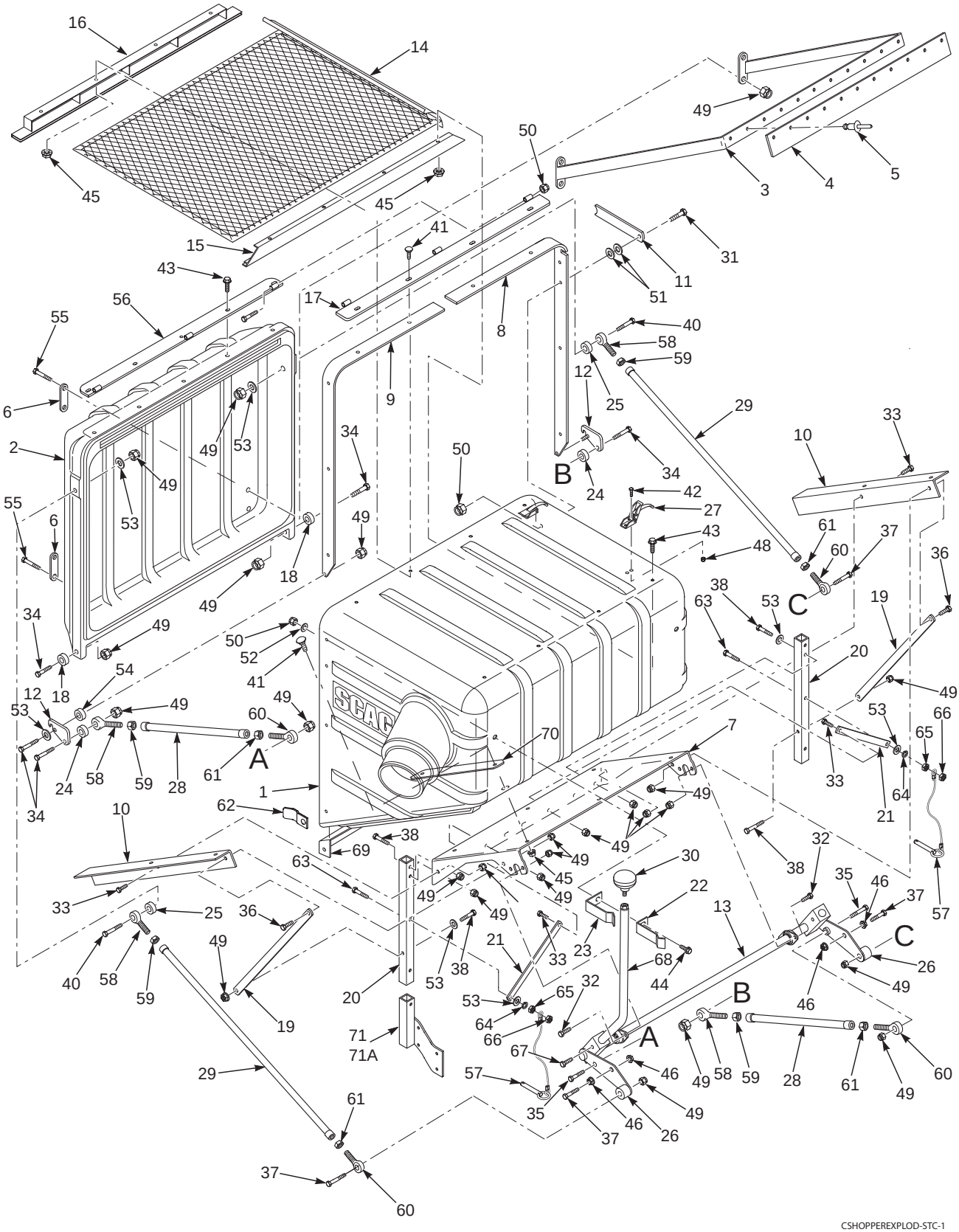
RIGHT SIDE OF CUTTER DECK SHOWN

390STC203A

GC-STC 48" & 52" BLOWER MOUNTING COMPONENTS

Ref. No.	Part Number	Description
1	482612	Belt Cover, GC-STC
2	04029-04	Wingnut, Plastic 3/8 Small
3	482300	Cap, Square Vinyl
4	04021-08	Nut, Elastic Stop 1/4-20
5	461387	Adapter, Blower GC-STC, includes item #7
6	04040-14	Flatwasher, 1/4-.312 x .750 x .065
7	48137-04	Rubber Strap 7-3/4"
8	04001-59	Bolt, Hex Head 1/4-20 x 1-1/4"
9	481625-01	Knob W/Stud, 3/8-16 x 1-1/4"
10	04064-15	Clevis Pin, 5/16 x 1-1/2"
11	04069-03	Pin, Rue Cotter 5/16 Dia.
12	04067-07	Pin, Ring 1/2 x 2-1/4"
13	481547	Lanyard
14	482248	Pulley, 3-3/4" for 48" Deck
	482587	Pulley, 4.0" for 52" Deck
15	04012-04	Setscrew, 5/16-18 x 3/8"
16	04021-09	Nut, Elastic Stop 3/8-16
17	04030-04	Lockwasher, 3/8"
18	04041-07	Flatwasher, 3/8-.391 x .938 x .105
19	04003-11	Bolt, Carr. 3/8-16 x 1-1/4" Grade 5
20	461530	Mounting Post Weldment, Blower
21	423708	Belt Cover
22	04110-03	U-Nut
23	04017-05	Bolt, Hex Head 1/4-20 x 3/4"
24	04003-23	Bolt, Carriage 3/8-16 x 1"
25	04021-09	Nut, Elastic Stop 3/8-16
26	04041-07	Flatwasher, 3/8-.391 x .938 x .105
27	04001-09	Bolt, Hex Head 5/16-18 x 1"
28	04040-15	Flatwasher, 5/16-.375 x .875 x .083
29	04021-10	Nut, Elastic Stop 5/16-18
30	04019-02	Nut, Serrated Flange 1/4-20
31	423633	Baffle, 48"
	423629	Baffle, 52"
32	423955	Baffle, 48" Deck
	423956	Baffle, 52" Deck

GC-STC-CS HOPPER COMPONENTS



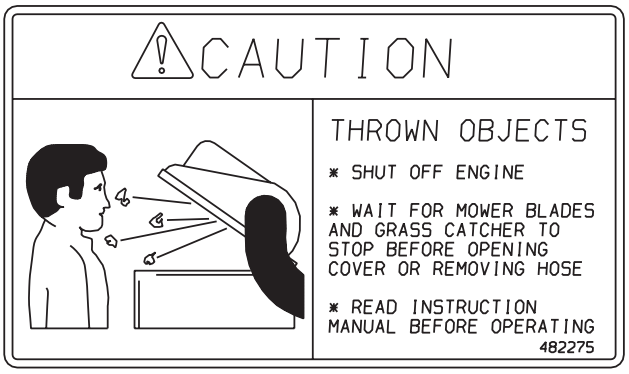
CSHOPPEREXPLOD-STC-1

GC-STC-CS HOPPER COMPONENTS

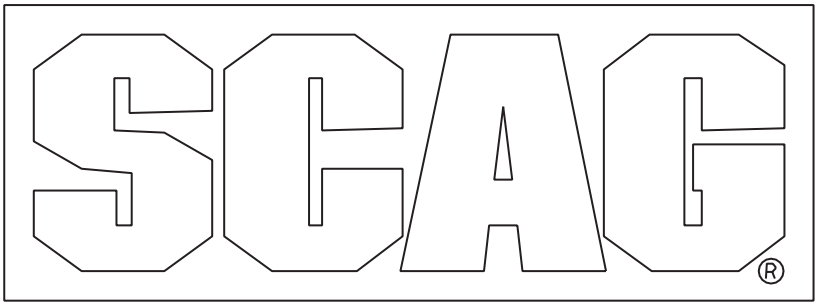
Ref. No.	Part Number	Description
1	461627	Hopper, GC-STC-CS
2	482732	Door, GC-CS
3	461626	Sweeper Weldment, GC-CS
4	482777	Pad, Rubber
5	04090-02	Pop Rivet, 3/16 x .652
6	423834	Plate, Stiffener
7	423938	Support Frame, Hopper
8	423849	Hinge Bracket, L.H.
9	423850	Hinge Bracket, R.H.
10	423858	Bracket, Hopper Support
11	423837	Latch, Door Prop
12	423840	Plate, Latch
13	451599	Bellcrank Weldment, Upper
14	451601	Debris Screen Weldment
15	451602	Screen Support Weldment, Rear
16	451603	Screen Support Weldment, Front
17	451607	Hinge Weldment, Hopper
18	43631	Spacer
19	423851	Brace Stiffener, Short
20	423852	Tube, Upright
21	422386	Brace, Engine Mount
22	423862	Latch, Dump Rod Inner
23	423864	Latch, Dump Rod Outer
24	43063	Spacer
25	43282	Spacer
26	43277	Spacer
27	481309	Latch, Hood
28	43641	Linkage Assembly, Lower
29	43640	Linkage Assembly, Upper
30	481245	Knob
31	04001-10	Bolt, Hex Head 5/16-18 x 1-1/4
32	04001-18	Bolt, Hex Head 3/8-16 x 3/4"
33	04001-19	Bolt, Hex Head 3/8-16 x 1"
34	04001-20	Bolt, Hex Head 3/8-16 x 1-1/2"
35	04001-21	Bolt, Hex Head 3/8-16 x 1-3/4"
36	04001-32	Bolt, Hex Head 3/8-16 x 1-1/4"
37	04001-45	Bolt, Hex Head 3/8-16 x 2"
38	04001-46	Bolt, Hex Head 3/8-16 x 2-1/4"
39	04001-63	Bolt, Hex Head 5/16-18 x 3-1/2"
40	04001-77	Bolt, Hex Head 3/8-16 x 3-1/2"
41	04003-04	Bolt, Carriage 5/16-18 x 1"
42	04010-01	Screw, #10-32 x 1/2"
43	04017-16	Cap Screw, 5/16-18 x 3/4" Serr. Flan.
44	04017-17	Cap Screw, 5/16-18 x 1" Serr. Flan.
45	04019-03	Nut, 5/16-18 Serrated Flange
46	04019-04	Nut, 3/8-16 Serrated Flange
47	04020-12	Nut, 3/8-16 UNC Jam
48	04021-01	Nut, #10-32 Elastic Stop
49	04021-09	Nut, 3/8-16 Elastic Stop
50	04021-10	Nut, 5/16-18 Elastic Stop
51	04032-01	Washer, Special Wave
52	04040-15	Washer, 5/16-.375 x .875 x .083 Flat
53	04041-07	Washer, 3/8-.931 x .938 x .105 Flat
54	43642	Bushing, Hopper Latch GC-CS
55	04001-54	Bolt, Hex Head 3/8-16 x 3"
56	451598	Hinge Weldment, Door
57	481547	Lanyard
58	481538	Rod End Male, 3/8-24 L.H. Thread
59	04020-26	Nut, 3/8-24 UNF L.H. Thread
60	481539	Rod End Male, 3/8-24 R.H. Thread
61	04020-25	Nut, 3/8-24 UNF R.H. Thread
62	423865	Alignment Bracket, GC-CS
63	04001-31	Bolt, Hex Head 3/8-16 x 2-1/2"
64	04030-04	Lock Washer, 3/8-16 Spring
65	04020-04	Nut, 3/8-16 UNC Zinc
66	04021-05	Nut, 3/8-16 Center Lock
67	04001-12	Bolt, Hex Head 5/16-18 1-3/4"
	04012-10	Nut, 5/16-18 Elastic Stop (Not Shown)
68	44147	Rod, Dump Lever
69	423855	Bracket, Lower Stiffener
	423859	Backing Plate, Hopper (Not Shown)
70	423836	Retainer Strip, Hopper
71	451514	Mounting Bracket Weldment, R.H.
71A	451513	Mounting Bracket Weldment, L.H.

GC-STC DECALS

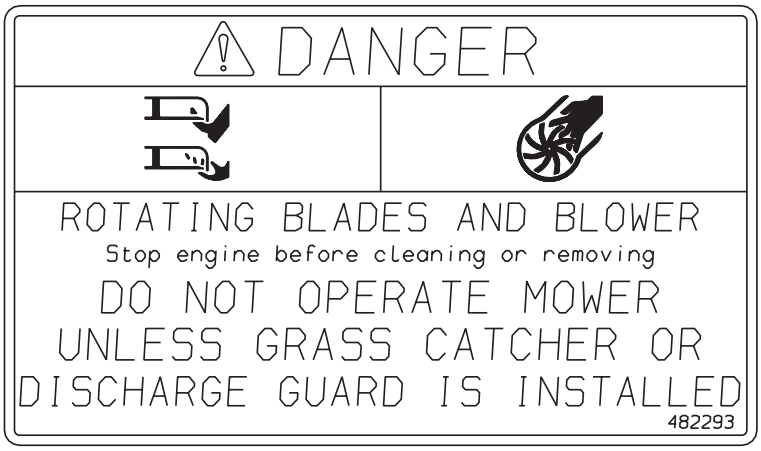
481039


CAUTION
THROWN OBJECTS
* SHUT OFF ENGINE
* WAIT FOR MOWER BLADES AND GRASS CATCHER TO STOP BEFORE OPENING COVER OR REMOVING HOSE
* READ INSTRUCTION MANUAL BEFORE OPERATING
482275

482275



482733



482293

LIMITED WARRANTY- COMMERCIAL ACCESSORY

Any part of the Scag commercial accessory manufactured by Scag and found, in the reasonable judgment of Scag, to be defective in material or workmanship, will be repaired or replaced by an Authorized Scag Service Dealer without charge for parts and labor.

The Scag accessory, including any defective part, must be returned to an Authorized Scag Service Dealer within the warranty period. The expense of delivering the accessory to the dealer for warranty work and the expense of returning it back to the owner after repair or replacement will be paid for by the owner. Scag's responsibility in respect to claims is limited to making the required repairs or replacements, and no claim of breach of warranty shall be cause for cancellation or rescission of the contract of sale of any Scag machine. Proof of purchase will be required by the dealer to substantiate any warranty claim. All warranty work must be performed by an Authorized Scag Service Dealer.

This warranty is limited to 90 days from the date of original retail purchase for any Scag accessory that is used for commercial purposes, or any other income-producing purpose including rental use.

This warranty does not cover any accessory that has been subject to misuse, neglect, negligence, or accident, or that has been operated in any way contrary to the operating instructions as specified in the Operator's Manual. The warranty does not apply to any damage to the accessory that is the result of improper maintenance, or to any accessory or parts that have not been assembled or installed as specified in the Operator's Manual.

The warranty does not cover any accessory that has been altered or modified. In addition, the warranty does not extend to repairs made necessary by normal wear, or by the use of parts or accessories which, in the reasonable judgment of Scag, are either incompatible with the Scag mower or adversely affect its operation, performance or durability. This warranty does not cover engines and electric starters, which are warranted separately by their manufacturer.

Scag Power Equipment reserves the right to change or improve the design of any accessory without assuming any obligation to modify any accessory previously manufactured.

All other implied warranties are limited in duration to the 90 day warranty period. Accordingly, any such implied warranties including merchantability, fitness for a particular purpose, or otherwise, are disclaimed in their entirety after the expiration of the appropriate ninety day warranty period. Scag's obligation under this warranty is strictly and exclusively limited to the repair or replacement of defective parts and Scag does not assume or authorize anyone to assume any other obligation for them. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Scag assumes no responsibility for incidental, consequential or other damages including, but not limited to, expense for gasoline, oil, expense of delivering the machine to an Authorized Scag Service Dealer and expense of returning it back to the owner, mechanic's travel time, telephone or telegram charges, rental of a like product during the time warranty repairs are being performed, travel, loss or damage to personal property, loss of revenue, loss of use of the mower, loss of time, or inconvenience. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

© 2003
SCAG POWER EQUIPMENT
DIVISION OF METALCRAFT OF MAYVILLE, INC
www.scag.com

PART NO. 03139
PRINTED 8-2003
PRINTED IN USA